

Claims

1. The loudspeaker adapted for mounting against a wall, comprising a front-mounted sealing element, wherein the sealing element is made of a
5 thermoplastic elastomer (TPE) and molded as a single piece on a front side of the loudspeaker, thereby providing an acoustic seal between the front side of the loudspeaker and the wall in an installed position of the loudspeaker.
2. The loudspeaker according to claim 1, wherein the TPE sealing element is
10 made of a polypropylene material.
3. The loudspeaker according to claim 2, wherein the polypropylene material is a poly (carbodiimide) polymer.
- 15 4. The loudspeaker according to claim 1, wherein the loudspeaker further includes at least one of a loudspeaker frame, a loudspeaker frame adapter and a loudspeaker cover grille, and the TPE sealing element is molded directly to the at least one of the loudspeaker frame, loudspeaker frame adapter or loudspeaker cover grille.
- 20 5. The loudspeaker according to claim 1, wherein the TPE sealing element has a substantially annular shape, when viewed normal to the front side of the loudspeaker.
- 25 6. The loudspeaker according to claim 1, wherein the cross-section of the TPE sealing element is selected so that a distance to be bridged for sealing against the wall is in an elastic deformation range of the TPE sealing element.
7. The loudspeaker according to claim 6, wherein the TPE sealing element
30 has a Z-shaped or at least approximately Z-shaped cross-section.

8. The loudspeaker according to claim 1, wherein the loudspeaker includes a loudspeaker frame made of plastic, a loudspeaker frame adapter and a loudspeaker base plate, with the TPE sealing element being molded to a front end wall of the loudspeaker frame or the loudspeaker frame adapter.

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9. The loudspeaker according to claim 7, wherein the front end wall of the loudspeaker frame or of the loudspeaker frame adapter comprises an annular groove, with a wall section of the TPE sealing element molded into the groove.

10 10. The loudspeaker according to claim 1, wherein the TPE sealing element includes a projecting sealing lip facing the wall against which the loudspeaker is to be sealed.

11. The loudspeaker according to claim 1, wherein the loudspeaker is
15 installed in a door of an automobile, the door having an interior door wall and an interior door panel, with the loudspeaker being attached to the interior door wall and the TPE sealing element sealingly abutting the interior door panel.

12. A loudspeaker adapted for mounting against a wall, comprising:
20 a sealing element disposed on a front face of the loudspeaker, wherein the sealing element is molded to the front face to form a single piece with the front face and comprises a plurality of wall sections which are oriented – when viewed in cross-section of the sealing element – in different directions with respect to a direction normal to the front face.

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13. Method of manufacturing a loudspeaker having a front-mounted sealing element adapted for sealing against a wall, comprising:

providing a loudspeaker having at least one of a front end face, a frame adapter and a cover grille, and

30 molding a thermoplastic elastomer (TPE) sealing element to at least one of the front end face, the frame adapter or the cover grille,

thereby providing an acoustic seal between the loudspeaker and the wall in an installed position of the loudspeaker.